



1. FIRE PROTECTION WORK SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:
  - A. A COMPLETE AND OPERABLE SYSTEM IN COMPLIANCE WITH ALL APPLICABLE STATE AND LOCAL CODES, LAWS AND REGULATIONS INCLUDING ALL PIPING, ACCESSORIES AND APPURTENANCES.
  - B. ALL AREAS OF THE RENOVATION INDICATED SHALL BE SPRINKLERED ACCORDING TO THE LATEST EDITION OF APPLICABLE NFPA STANDARDS. DESIGN SHALL BE BASED ON HYDRAULIC CALCULATIONS ACCORDING TO SYSTEMS WITH SHOP DRAWINGS PREPARED ACCORDING TO THE REQUIREMENTS OF THE NEBRASKA STATE FIRE MARSHAL.
2. ENTIRE SYSTEM SHALL BE INSTALLED PER NEBRASKA STATE FIRE MARSHAL REQUIREMENTS AND REQUIREMENTS OF THE CITY OF OMAHA.
3. REFER TO SPECIFICATION SECTION 21 13 13 FOR ADDITIONAL REQUIREMENTS.
4. DRAWINGS ARE DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK AND GENERAL ARRANGEMENT OF THE SYSTEM. COORDINATE THE SPRINKLER SYSTEM LAYOUT WITH ALL ARCHITECTURAL, STRUCTURAL, HVAC, PLUMBING AND ELECTRICAL COMPONENTS. PROVIDE OFFSETS AS NECESSARY TO AVOID CONFLICTS.
5. REVISIONS TO THE SPRINKLER HEAD LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR. IN LOCATIONS WHERE SPRINKLER HEADS ARE TO BE REMOVED, INSTALL AND TEST NEW SPRINKLER HEADS IN THESE LOCATIONS. REUSE OF EXISTING SPRINKLER HEADS NOT PERMITTED.
6. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPES AND HEIGHTS, AND LOCATIONS OF EXPOSED STRUCTURE. COORDINATE ALL SPRINKLER LOCATIONS IN AS AESTHETIC SPACING AS POSSIBLE. REVIEW SPRINKLER PLANS WITH ARCHITECT PRIOR TO INSTALLATION.
7. ALL PIPING AND SPRINKLERS IN EXPOSED AREAS SHALL BE COORDINATED WITH DUCTWORK AND LIGHTS. EXPOSED SPRINKLERS SHALL BE UPRIGHT. PROVIDE ADDITIONAL SPRINKLERS AS NECESSARY.
8. ALL SPRINKLERS IN GYPBOARD AND ACOUSTICAL CEILING TYPES SHALL BE PENDENT TYPE TO MATCH EXISTING, UNLESS NOTED OTHERWISE. ALL SPRINKLERS IN SOFFITS SHALL BE RECESSED SIDEWALLS TO MATCH EXISTING.
9. PROVIDE AUXILIARY DRAINS FOR ALL LOW SPOTS, TYPICAL.
10. SPRINKLERS ADJACENT TO AIR INLETS AND OUTLETS AND LIGHT FIXTURES SHALL BE LOCATED 6" MINIMUM FROM BOTH. ALL SPRINKLERS IN LAY-IN CEILINGS SHALL BE INSTALLED WITHIN 3" OF THE CENTER OF CEILING TILE. NOTIFY ARCHITECT OF CONFLICTS.
11. SPRINKLER CONTRACTOR SHALL COORDINATE ALL CEILING HEIGHTS WITH GENERAL CONTRACTOR BEFORE MAKING FINAL PIPE DROPS TO SPRINKLERS.
12. ALL EXPOSED PIPING SHALL BE PAINTED. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL EXPOSED PIPING. PAINT COLOR TO MATCH CEILING FINISH IN AREA OF PIPE. PROVIDE PIPE MATERIAL ACCEPTABLE FOR PAINTING.
13. PIPE WITH GROOVED FITTINGS SHALL BE PERMITTED IN THE FOLLOWING AREAS: MECHANICAL ROOMS, STORAGE ROOMS, AND AREAS WHERE PIPE IS ABOVE A FINISHED CEILING. IN ALL OTHER AREAS WHERE THE PIPE IS EXPOSED, PIPE FITTINGS SHALL BE THREADED OR WELDED TYPE.
14. APPLICABLE UL CONSTRUCTION DETAILS SHALL BE USED WHERE RATED ASSEMBLIES ARE PENETRATED BY SPRINKLER PIPING SYSTEM.
15. PIPE OPENINGS THROUGH FIRE RATED WALLS SHALL BE CAULKED WITH A FIRE RETARDANT INTUMESCENT MATERIAL.
16. PROVIDE SPRINKLER PROTECTION BELOW ALL DUCTS 4"-0" AND GREATER, AS REQUIRED BY THE LATEST EDITION OF NFPA 13.
17. SUPPORT ALL PIPING FROM STRUCTURE.
18. COORDINATE WITH MECHANICAL HVAC WORK. DO NOT INSTALL SPRINKLER PIPING BELOW MECHANICAL EQUIPMENT OR WITHIN CLEARANCE SPACES FOR MECHANICAL EQUIPMENT.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING, PAINTING, REPAIRING OR REPLACEMENT OF ALL WALLS, CEILINGS, OR OTHER BUILDING ELEMENTS WHICH ARE DISTURBED AS PART OF THE RENOVATION OF FIRE SPRINKLER WORK.
20. ROUTE SPRINKLER PIPING OUTSIDE ELECTRICAL, DATA, IT, COMMUNICATION RACKS AND ALL OTHER ROOMS DESIGNATED FOR ELECTRICAL COMPONENTS AND PANELS.

1. REMODEL AREA IS CURRENTLY PROTECTED WITH AN AUTOMATIC, WET PIPE SPRINKLER SYSTEM.
2. REMODEL AREA SHALL BE DESIGNED FOR ORDINARY HAZARD GROUP 2 WITH A DESIGN DENSITY OF 0.20 GPM PER SF OVER 1500 SF, UNLESS SPECIFICALLY STATED OTHERWISE.

1. EXISTING SPRINKLER LOCATIONS AND TYPES SHOWN ARE APPROXIMATE. ALL SPRINKLERS AND BRANCH PIPING WITHIN REMODEL AREA SHALL BE REMOVED TO ALLOW FOR INSTALLATION OF NEW HVAC AND CEILINGS. INSTALL NEW SPRINKLERS AND BRANCH PIPING IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 13.
2. INSTALL INTERMEDIATE TEMPERATURE RATED SPRINKLER HEADS IN THESE LOCATIONS.



one eighth inch = one foot